

V.S. Antonyuk. Preparation Of Wear-Resistant Antifriction Composite Coatings Reinforced With Ultradispersed Diamond. – Journal of Superhard Materials. Vol. 40, No 4. pp. 66-69, 1998

This paper deals with the formation of wear-resistant antifriction coatings on components of friction couples. We suggest a new antifriction composite material containing nonferrous intermetallic compounds reinforced with explosion-synthesized ultradispersed diamond, to be used for coating friction surfaces. We report the experimental results and by the example of sleeves of internal combustion engines we show the efficiency of using this material as a function coating for friction couples.

[Full article](#)